1. (Curre	ently Amended)	An atomizer Atomizer device for the production of		
a liquid-gas mixture (4), the mixture (4) produced preferably useful for being introduced				
for the purpose of compression into a nozzle arrangement (3)-in which the kinetic energy				
of the mixture (4)-is in large part converted into compression energy of the gaseous				
component, wherein the atomizer device (2) consists of comprising:				
a nozzle member (20) which includes having an at least approximately				
substantially central pipe (16) for the gaseous medium, and a rotationally symmetrical				
nozzle chamber (18) surrounding this the pipe (16) for the liquid medium, the and a				
nozzle aperture; and				
a liquid feed (17) has having means for producing a swirled liquid flow in the				
nozzle chamber (18), and;				
where	<u>in</u> the liquid in a nozzl	e aperture (19) coaxially enclosing encloses the pipe		
(16) emerges from the nozzle member (20).				
2. (Curre	ently Amended)	An atomizer Atomizer device according to claim 1,		
wherein the li	quid feed (17) opens to	angentially into the nozzle chamber-(18).		
3. (Curre	ently Amended)	An atomizer Atomizer device according to claim 1		
or 2, wherein	the nozzle aperture is a	annular, and the nozzle chamber-(18) tapers to an-the		
annular nozzle aperture-(19).				
4. (Curre	ently Amended)	A method Method-for the production of a liquid-gas		
mixture (4)-by means of an atomizer device-(2), the mixture (4)-produced useful for being				
introduced, particularly for compression, into a nozzle arrangement (3)-in which the				
kinetic energy of the mixture (4) is in large part converted into compression energy of the				
gaseous component, wherein the method comprising:				
<u>causing</u> a swirled liquid flow emerges to emerge from a nozzle aperture (19) of				
the atomizer device (2) and produces to produce a swirling hollow conical spray (21)				
expanding in the a flow direction, and to produce a reduced pressure zone within the				
spray; and				
causing the gaseous medium (13) enters to enter the reduced pressure zone via a				

central feed (16) into the reduced pressure zone (22) formed within the hollow conical shaped spray (21).

5.	(Currently Amended)	A method Method according to claim 4, wherein
comp	orising:	
	producing the swirled liqu	id flow is produced in a nozzle chamber (18)
surro	unding the pipe (16) for feed	ing the gaseous mediumcentral feed.

